sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Particle Shape

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part I) 1963 (RA 2011)
Source / Location	Plant
Sample No.	10,11 & 12
Date	18.07.2022

Sl. No.	Test	10	11	12	Requirements as per MORTH 5th edition table no 400.12
1	Flakiness Index	14.40	13.50	12.30	Maximum allowable Combined Flakiness and Elongation Indices for Wet Mix Macadam is 35% as per Table 400.12 MORTH Specification.
2	Elongation Index	14.20	13.70	12.70	
3	Combined Flakiness & Elongation index	28.60	27.20	25.00	

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS & ENGINEERS Bangalore-59

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜೆ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Gradation

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	1 & 2
Date	20.06.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	717.4	717.4	4.78	95.22	95 - 100	
22.4	3862.6	4580.0	30.53	69.47	60 - 80	
11.2	3358.3	7938.3	52.92	47.08	40 - 60	
4.75	2843.5	10781.8	71.88	28.12	25 - 40	
2.36	667.8	11449.6	76.33	23.67	15 - 30	
0.60	1544.4	12994.0	86.63	13.37	8 - 22	
0.075	1606.6	14600.6	97.34	2.66	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	495.2	495.2	3.30	96.70	95 - 100	
22.4	4062.0	4557.2	30.38	69.62	60 - 80	
11.2	3533.4	8090.6	53.94	46.06	40 - 60	
4.75	1934.2	10024.8	66.83	33.17	25 - 40	
2.36	1146.8	11171.6	74.48	25.52	15 - 30	
0.60	1537.6	12709.2	84.73	15.27	8 - 22	
0.075	1961.0	14670.2	97.80	2.20	0 - 5	

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386,
Email: sapiencebangalore@gmail.com

Aggregate Gradation

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	3 & 4
Date	21.06.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	747.1	747.1	4.98	95.02	95 - 100	
22.4	3883.6	4630.7	30.87	69.13	60 - 80	
11.2	2680.6	7311.3	48.74	51.26	40 - 60	
4.75	2965.4	10276.7	68.51	31.49	25 - 40	
2.36	1553.8	11830.5	78.87	21.13	15 - 30	
0.60	1141.0	12971.5	86.48	13.52	8 - 22	
0.075	1720.8	14692.3	97.95	2.05	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	536.7	536.7	3.58	96.42	95 - 100	
22.4	4551.6	5088.3	33.92	66.08	60 - 80	
11.2	2970.2	8058.5	53.72	46.28	40 - 60	
4.75	2367.1	10425.6	69.50	30.50	25 - 40	
2.36	934.3	11359.9	75.73	24.27	15 - 30	
0.60	1393.9	12753.8	85.03	14.97	8 - 22	
0.075	1898.9	14652.7	97.68	2.32	0 - 5	

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಜಿ.ಜಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Gradation

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	5 & 6
Date	22.06.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	417.8	417.8	2.79	97.21	95 - 100	
22.4	4256.5	4674.3	31.16	68.84	60 - 80	
11.2	3256.1	7930.4	52.87	47.13	40 - 60	
4.75	1923.0	9853.4	65.69	34.31	25 - 40	
2.36	2118.3	11971.7	79.81	20.19	15 - 30	
0.60	1207.2	13178.9	87.86	12.14	8 - 22	
0.075	1649.2	14828.1	98.85	1.15	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	634.2	634.2	4.23	95.77	95 - 100	
22.4	4451.6	5085.8	33.91	66.09	60 - 80	
11.2	2943.9	8029.7	53.53	46.47	40 - 60	
4.75	2069.9	10099.6	67.33	32.67	25 - 40	
2.36	1641.6	11741.2	78.27	21.73	15 - 30	
0.60	1312.2	13053.4	87.02	12.98	8 - 22	
0.075	1599.0	14652.4	97.68	2.32	0 - 5	

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜ.ಜ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Gradation

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	7 & 8
Date	28.06.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	342.4	342.4	2.28	97.72	95 - 100	
22.4	3809.1	4151.5	27.68	72.32	60 - 80	
11.2	3620.2	7771.7	51.81	48.19	40 - 60	
4.75	2318.6	10090.3	67.27	32.73	25 - 40	
2.36	1392.5	11482.8	76.55	23.45	15 - 30	
0.60	1611.1	13093.9	87.29	12.71	8 - 22	
0.075	1567.2	14661.1	97.74	2.26	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	533.2	533.2	3.55	96.45	95 - 100	
22.4	3983.7	4516.9	30.11	69.89	60 - 80	
11.2	3487.3	8004.2	53.36	46.64	40 - 60	
4.75	2079.3	10083.5	67.22	32.78	25 - 40	
2.36	1667.5	11751.0	78.34	21.66	15 - 30	
0.60	1113.1	12864.1	85.76	14.24	8 - 22	
0.075	1953.6	14817.7	98.78	1.22	0 - 5	

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಜಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Gradation

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	9 & 10
Date	29.06.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	405.5	405.5	2.70	97.3	95 - 100	
22.4	3995.5	4401.0	29.34	70.66	60 - 80	
11.2	2983.6	7384.6	49.23	50.77	40 - 60	
4.75	2794.5	10179.1	67.86	32.14	25 - 40	
2.36	1805.5	11984.6	79.90	20.1	15 - 30	
0.60	1188.7	13173.3	87.82	12.18	8 - 22	
0.075	1428.8	14602.1	97.35	2.65	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	610.1	610.1	4.07	95.93	95 - 100	
22.4	3961.2	4571.3	30.48	69.52	60 - 80	
11.2	2697.8	7269.1	48.46	51.54	40 - 60	
4.75	2394.1	9663.2	64.42	35.58	25 - 40	
2.36	2418.2	12081.4	80.54	19.46	15 - 30	
0.60	593.6	12675.0	84.50	15.50	8 - 22	
0.075	1906.6	14581.6	97.21	2.79	0 - 5	

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory

→ The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.

→ Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Gradation

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	11 & 12
Date	18.07.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	729.6	729.6	4.86	95.14	95 - 100	
22.4	3465.9	4195.5	27.97	72.03	60 - 80	
11.2	3271.8	7467.3	49.78	50.22	40 - 60	
4.75	2910.1	10377.4	69.18	30.82	25 - 40	
2.36	1389.0	11766.4	78.44	21.56	15 - 30	
0.60	1124.9	12891.3	85.94	14.06	8 - 22	
0.075	1882.8	14774.1	98.49	1.51	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	644.4	644.4	4.30	95.70	95 - 100	
22.4	3509.7	4154.1	27.69	72.31	60 - 80	
11.2	3155.0	7309.1	48.73	51.27	40 - 60	
4.75	3486.0	10795.1	71.97	28.03	25 - 40	
2.36	815.3	11610.4	77.40	22.60	15 - 30	
0.60	924.1	12534.5	83.56	16.44	8 - 22	
0.075	2259.2	14793.7	98.62	1.38	0 - 5	

Note:

- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the samples are collected on the work spot & tested in the laboratory.
- Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Gradation

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Lab No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	13 & 14
Date	18.07.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	360.3	360.3	2.40	97.6	95 - 100	
22.4	4413.5	4773.8	31.83	68.17	60 - 80	
11.2	2825.1	7598.9	50.66	49.34	40 - 60	
4.75	2120.8	9719.7	64.80	35.2	25 - 40	
2.36	2382.5	12102.2	80.68	19.32	15 - 30	
0.60	1029.4	13131.6	87.54	12.46	8 - 22	
0.075	1549.2	14680.8	97.87	2.13	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	503.4	503.4	3.36	96.64	95 - 100	
22.4	3982.6	4486.0	29.91	70.09	60 - 80	
11.2	3132.6	7618.6	50.79	49.21	40 - 60	
4.75	2538.0	10156.6	67.71	32.29	25 - 40	
2.36	1841.8	11998.4	79.99	20.01	15 - 30	
0.60	454.9	12453.3	83.02	16.98	8 - 22	
0.075	2326.6	14779.9	98.53	1.47	0 - 5	

Note:

- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.
- Any Query regarding the report must be reported within 15 days from the date of testing.

For sapience Consultants and Engineers,

Authorized Signature

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಡಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಪಶ್ಚಿಮ ವಲಯ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Gradation

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	15 & 16
Date	19.07.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	671.2	671.2	4.47	95.53	95 - 100	
22.4	4032.7	4703.9	31.36	68.64	60 - 80	
11.2	2480.5	7184.4	47.90	52.1	40 - 60	
4.75	2793.9	9978.3	66.52	33.48	25 - 40	
2.36	1777.3	11755.6	78.37	21.63	15 - 30	
0.60	1111.9	12867.5	85.78	14.22	8 - 22	
0.075	1832.8	14700.3	98.00	2	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	619.5	619.5	4.13	95.87	95 - 100	
22.4	3711.2	4330.7	28.87	71.13	60 - 80	
11.2	2872.8	7203.5	48.02	51.98	40 - 60	
4.75	2918.1	10121.6	67.48	32.52	25 - 40	
2.36	1760.8	11882.4	79.22	20.78	15 - 30	
0.60	1007.5	12889.9	85.93	14.07	8 - 22	
0.075	1866.6	14756.5	98.38	1.62	0 - 5	

Note:

- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.
- Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಕೆ.ವಿ.ಕೆ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Gradation

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	17 & 18
Date	20.07.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	347.0	347.0	2.31	97.69	95 - 100	
22.4	4141.0	4488.0	29.92	70.08	60 - 80	
11.2	3217.1	7705.1	51.37	48.63	40 - 60	
4.75	2879.0	10584.1	70.56	29.44	25 - 40	
2.36	1652.3	12236.4	81.58	18.42	15 - 30	
0.60	710.2	12946.6	86.31	13.69	8 - 22	
0.075	1643.2	14589.8	97.27	2.73	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	630.0	630.0	4.20	95.80	95 - 100	
22.4	3791.9	4421.9	29.48	70.52	60 - 80	
11.2	3614.6	8036.5	53.58	46.42	40 - 60	
4.75	1597.6	9634.1	64.23	35.77	25 - 40	
2.36	1801.8	11435.9	76.24	23.76	15 - 30	
0.60	1598.5	13034.4	86.90	13.10	8 - 22	
0.075	1807.9	14842.3	98.95	1.05	0 - 5	

Note:

- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the samples are collected on the work spot & tested in the laboratory.
- Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಡಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073